



DRILL STEM TEST REPORT

Prepared For: **American Warrior, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Jason Alm

FBK Unit #1

18-18s-21w Ness,KS

Start Date: 2014.01.16 @ 22:10:00

End Date: 2014.01.17 @ 05:48:45

Job Ticket #: 55498 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.01.21 @ 14:06:44



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

American Warrior, Inc.

18-18s-21w Ness,KS

PO Box 399
Garden City KS 67846

FBK Unit #1

Job Ticket: 55498

DST#: 1

ATTN: Jason Alm

Test Start: 2014.01.16 @ 22:10:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:00:00

Time Test Ended: 05:48:45

Test Type: Conventional Bottom Hole (Initial)

Tester: Brett Dickinson

Unit No: 59

Interval: 4224.00 ft (KB) To 4233.00 ft (KB) (TVD)

Reference Elevations: 2158.00 ft (KB)

Total Depth: 4233.00 ft (KB) (TVD)

2152.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8319 Outside

Press@RunDepth: 169.09 psig @ 4225.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.16

End Date:

2014.01.17

Last Calib.:

2014.01.17

Start Time: 22:10:05

End Time:

05:48:44

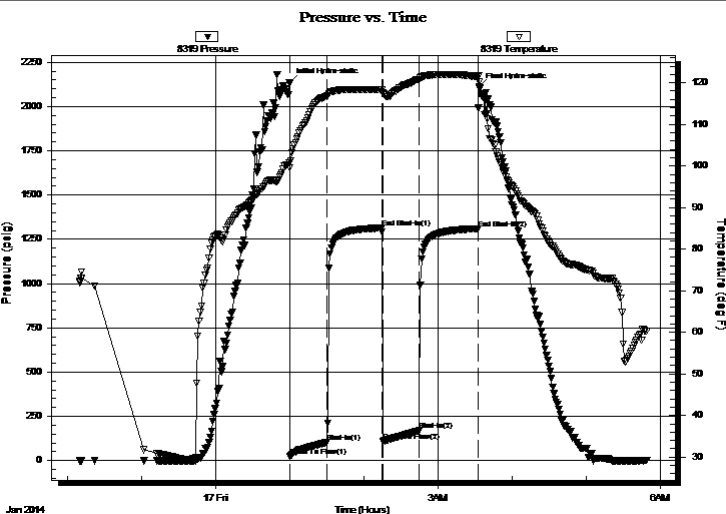
Time On Btm:

2014.01.17 @ 00:59:45

Time Off Btm:

2014.01.17 @ 03:33:15

TEST COMMENT: IF-BOB in 12 min
IS-1/4" blow
FF-3" blow head loose built to 8"
FS-1/4" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.82	100.76	Initial Hydro-static
1	25.95	99.60	Open To Flow (1)
31	104.55	116.77	Shut-In(1)
75	1314.71	118.27	End Shut-In(1)
76	110.76	117.56	Open To Flow (2)
105	169.09	120.82	Shut-In(2)
153	1310.64	121.37	End Shut-In(2)
154	2109.46	120.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSWMCO 20%G 55%O 5%W 10%M	0.59
300.00	GO 30%G 70%O	4.21
0.00	300ft GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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Total Depth: 4233.00 ft (KB) (TVD)

2152.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

Serial #: 8018 Inside

Press@RunDepth: psig @ 4225.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.01.16

End Date:

2014.01.17

Last Calib.:

2014.01.17

Start Time: 22:10:05

End Time:

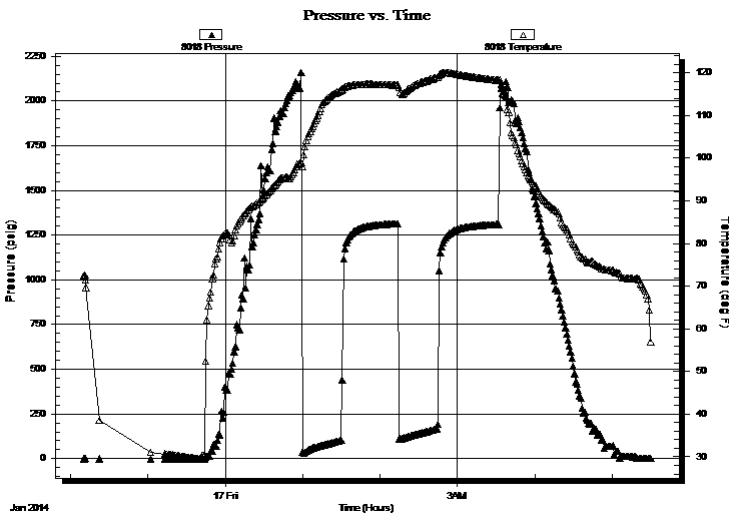
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Time On Btm:

Time Off Btm:

TEST COMMENT: IF-BOB in 12 min
IS-1/4" blow
FF-3" blow head loose built to 8"
FS-1/4" blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	VSWMCO 20%G 55%O 5%W 10%M	0.59
300.00	GO 30%G 70%O	4.21
0.00	300ft GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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DRILL STEM TEST REPORT

TOOL DIAGRAM

American Warrior, Inc.

18-18s-21w Ness, KS

PO Box 399
Garden City KS 67846

FBK Unit #1

Job Ticket: 55498

DST#: 1

ATTN: Jason Alm

Test Start: 2014.01.16 @ 22:10:00

Tool Information

Drill Pipe:	Length: 4096.00 ft	Diameter: 3.80 inches	Volume: 57.46 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.70 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 63000.00 lb
Depth to Top Packer:	4224.00 ft			Final 63000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4197.00	
Shut In Tool	5.00			4202.00	
Hydraulic tool	5.00			4207.00	
Jars	5.00			4212.00	
Safety Joint	2.00			4214.00	
Packer	5.00			4219.00	28.00 Bottom Of Top Packer
Packer	5.00			4224.00	
Stubb	1.00			4225.00	
Recorder	0.00	8018	Inside	4225.00	
Recorder	0.00	8319	Outside	4225.00	
Perforations	5.00			4230.00	
Bullnose	3.00			4233.00	9.00 Bottom Packers & Anchor

Total Tool Length: 37.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

American Warrior, Inc.

18-18s-21w Ness,KS

PO Box 399
Garden City KS 67846

FBK Unit #1

Job Ticket: 55498

DST#: 1

ATTN: Jason Alm

Test Start: 2014.01.16 @ 22:10:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	VSWMCO 20%G 55%O 5%W 10%M	0.590
300.00	GO 30%G 70%O	4.208
0.00	300ft GIP	0.000

Total Length: 420.00 ft Total Volume: 4.798 bbl

Num Fluid Samples: 0

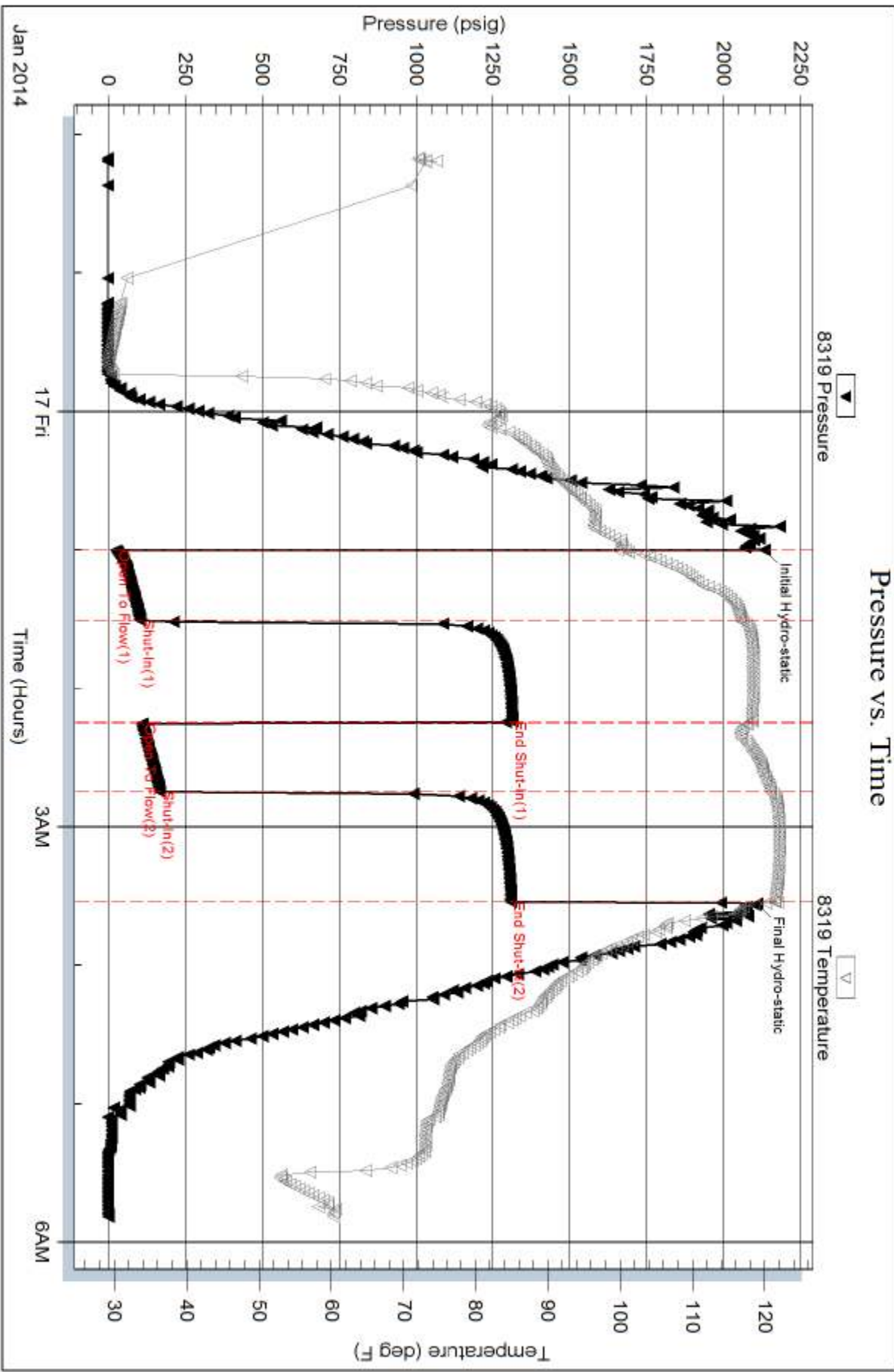
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



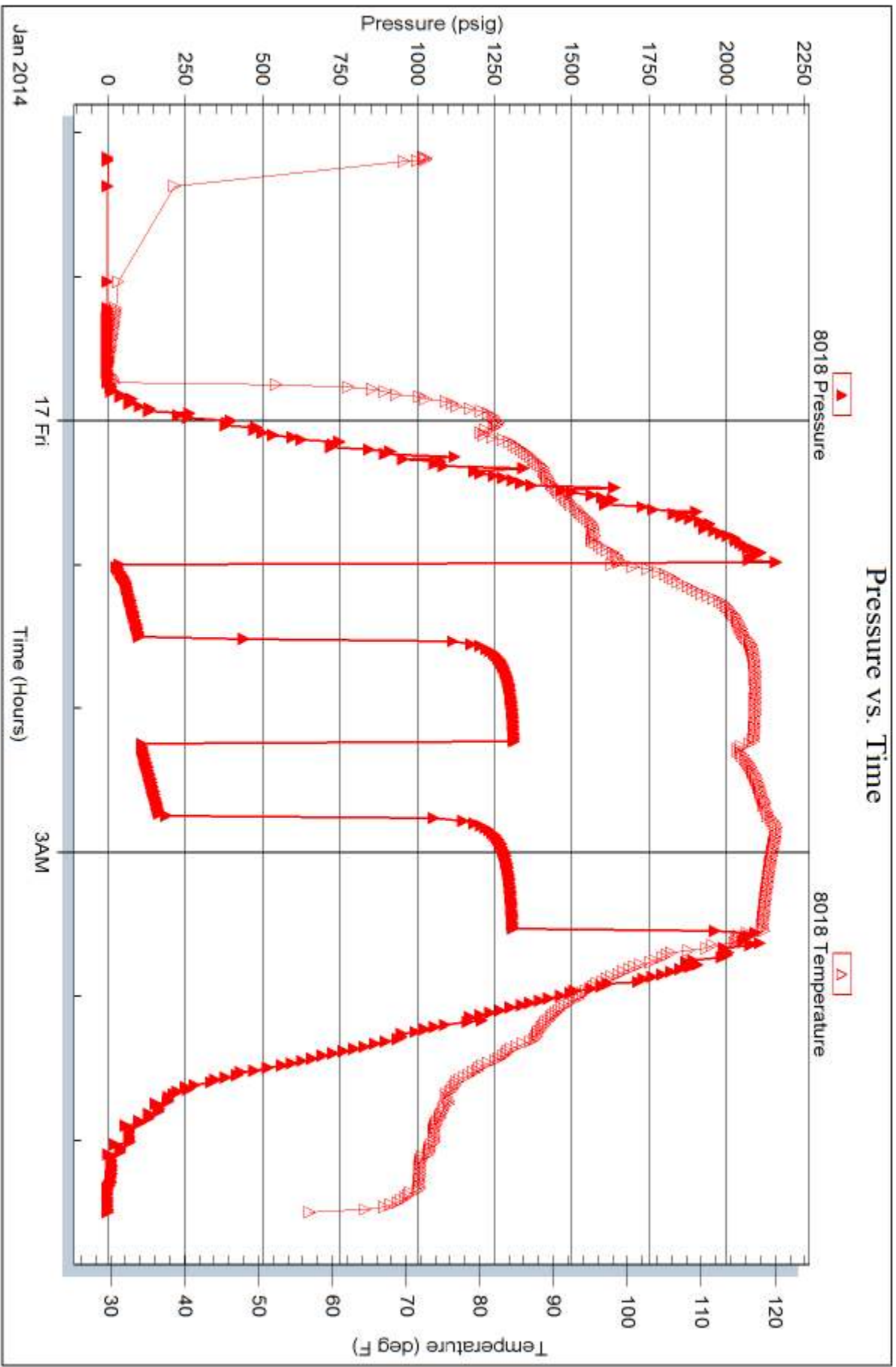
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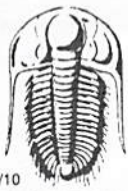
Inside

American Warrior, Inc.

FBK Unit #1

DST Test Number: 1





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **55498**

4/10

Well Name & No. FBK Unit #1 Test No. 1 Date 6/10/14
 Company American Warrior, Inc Elevation 2158 KB 2152 GL
 Address PO Box 399 Garden City KS 67846
 Co. Rep / Geo. Jason Alm Rig Petromark
 Location: Sec. 18 Twp. 18S Rge. 2W Co. Ness State KS

Interval Tested 4224 - 4233 Zone Tested Miss
 Anchor Length 9 Drill Pipe Run _____ Mud Wt. 9.2
 Top Packer Depth 4219 Drill Collars Run -120 Vis 55
 Bottom Packer Depth 4224 Wt. Pipe Run - WL 7.8
 Total Depth 4233 Chlorides 4000 ppm System LCM -

Blow Description FF - BOB in 12 min
757 - 4 min blow
FF - 3 in blow loose head built to 8 in
PST - 4 min blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>vs w mco</u>	<u>20</u>	<u>55</u>	<u>5</u>	<u>10</u>
<u>300</u>	<u>60</u>	<u>30</u>	<u>70</u>		
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Rec Total 420 BHT 121 Gravity 38 API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2133 Test 1250 T-On Location 21:30
 (B) First Initial Flow 26 Jars 250 T-Started 22:10
 (C) First Final Flow 105 Safety Joint 75 T-Open 00:57
 (D) Initial Shut-In 1315 Circ Sub _____ T-Pulled 3:27
 (E) Second Initial Flow 111 Hourly Standby _____ T-Out 5:40
 (F) Second Final Flow 169 Mileage 108rt 167.40 Comments _____
 (G) Final Shut-In 1311 Sampler _____
 (H) Final Hydrostatic 2109 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1742.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1742.40

Initial Open 30
 Initial Shut-In 45
 Final Flow 30
 Final Shut-In 45

Approved By _____ Our Representative Burd

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